

### **REMARKS**

Claims 1-3, 9, 16, 17, 25, 28, 33-36, 38, 40 and 101 have been amended. Claims 4-8, 12, 14, 27, 29-32, 44-53, 56, 58-69, 71-82, 84, 88, 89, 91, 95, 97, 98, 100, 117, 126-133, 136-140, 142-145, 147, 155-158 and 163 have been canceled. Claims 1-3, 9, 15-25, 28, 33-36, 38, 40, 101-108, 111-113, 115, 118-120, 122, 151-154 and 159-162 are pending in the application. Applicants reserve the right to pursue the original claims in this and in any other application.

Claims 1-5, 12, 14, 27-29, 31, 35, 44, 73, 75-76, 79, 89, 91, 95, 97-98, 100-104, 117, 120, 126-129, 142 and 145 stand rejected under 35 U.S.C. § 103(a) as being unpatentable over U.S. Patent No. 6,651,139 (Ozeki) in view of U.S. Patent No. 7,133,610 (Shimura). Applicants respectfully traverse the rejection.

Claim 1 recites “[a] memory system comprising . . . a wave length adjuster for adjusting the wave length of the optical signals based upon the wave length.” The Ozeki/Shimura combination does not disclose, teach or suggest this limitation. As stated in the Office Action, Ozeki teaches an “electric/optical conversion unit 21,” Ozeki, col. 5, lns. 10-11. However, the electric/optical conversion unit 21 does not adjust a wavelength, and certainly does not adjust a wavelength based upon a determined wavelength. Shimura, cited as teaching “a wavelength sensing mechanism 22,” does not cure the deficiencies of Ozeki because the wavelength sensing mechanism 22 does not adjust a wavelength based on sensed wavelength. As a result, the Ozeki/Shimura combination does not render obvious claim 1.

Claims 2, 3, 28 and 35 depend from claim 1. Claim 101 contains similar limitation to those described above with respect to claim 1, and is therefore not rendered obvious by the Ozeki/Shimura combination for at least the reasons set forth above with respect to claim 1. Claims 102-104 and 120 depend from claim 101. Claims 4, 5, 12, 14, 27, 29, 31, 44, 73, 75-76, 79, 89, 91, 95, 97-98, 100, 117, 126-129, 142 and 145 have been canceled. Accordingly, the rejection should be withdrawn and the claims allowed.

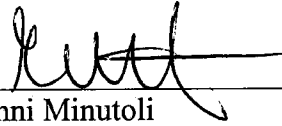
Claims 6-8, 24, 25, 30, 32-34, 36, 38, 40, 45-51, 53, 56, 58, 68-69, 71-85, 88, 106, 107, 115, 118, 119, 122, 131, 132, 139, 140, 144, 147, 151, 155 and 159 stand rejected under 35 U.S.C. § 103(a) as being unpatentable over Ozeki in view of Shimura and U.S. Patent No. 5,544,319 (Acton). Applicants respectfully traverse the rejection. Claims 24, 25, 33, 34, 36, 38, 40 and 151 depend from claim 1 and are patentable over the Ozeki/Shimura combination for at least the reasons given above with respect to claim 1. Claims 106, 107, 115, 118, 119, 122 and 159 depend from claim 101 and are patentable over the Ozeki/Shimura combination for at least the reasons given above with respect to claim 101. Acton, cited as teaching command data and a clock signal, does not cure the deficiencies of the Ozeki/Shimura combination. Claims 6-8, 30, 32, 45-51, 53, 56, 58, 68-69, 71-85, 88, 131, 132, 139, 140, 144, 147 and 155 have been canceled. Accordingly, the rejection should be withdrawn and the claims allowed.

Claims 9, 15-23, 52, 59-67, 108, 111-113, 133, 136-138, 152-154, 156-158 and 160-163 stand rejected under 35 U.S.C. § 103(a) as being unpatentable over Ozeki in view of Shimura, Acton and U.S. Patent No. 6,658,210 (Fee). Applicants respectfully traverse the rejection. Claims 9, 15-23, 152-154 depend from claim 1 and are patentable over the Ozeki/Shimura combination for at least the reasons given above with respect to claim 1. Claims 108, 111-113 and 160-162 depend from claim 101 and are patentable over the Ozeki/Shimura combination for at least the reasons given above with respect to claim 101. Acton, cited as teaching command data and a clock signal, and Fee, cited as teaching multiplexed optical channels, do not cure the deficiencies of the Ozeki/Shimura combination. Claims 52, 59-67, 133, 136-138, 156-158 and 163 have been canceled. Accordingly, the rejection should be withdrawn and the claims allowed.

In view of the above, Applicants believe the pending application is in condition for allowance.

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Respectfully submitted,

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